BRUHAT BANGALORE MAHANAGARA PALIKE

MEASUREMENT SHEET

1ST AND FINAL BILL

Name of work: Improvements of Roads, Drains and Culverts at Lottegollahalli Devinagar and Surrounding area at Kodigehalli in Ward No. 08..

Estimated Cost : Rs. 60.00 Lakhs

Job Code: 008-19-000040

Head of Account : P-3522

Name of Agency: Sri Gangulureddy. A, # 490/B, 12th C Cross, Vyalikaval, Malleshwaram, Bangalore 560003.

Work order No: BBMP/EE/BTP/WO/07/2020-21 Date: 11.05.2020.

Date of Recording: 28-09-2020

Sl. No	Description	No.	L	B	D	Qty	Rate	Amount
1	Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications.						Cum	
	Qty as per Premeasurement Vide E- MB Page No. 01 is =					**518.40**	300.00	**155520.00**
2	Providing and laying in position **plain cement concrete of mix 1:3:6** with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, **in foundation** including cost of all materials, labour, HOM of machinery, curing complete as per specifications.						Cum	
	Qty as per Premeasurement Vide E- MB Page No. 02 is =					**64.80**	5500.00	**356400.00**
3	Providing and laying in position **plain cement concrete of mix 1:2:4** with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregtes @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, **in foundation, plinth and cills**, ncluding cost of all materials, labour, HOM of machinery, curing complete as per specifications.						Cum	
	Ramp							
	Lottegollahalli R/S	1	30.00	0.30	0.10	0.90		
		1	30.00	0.30	0.10	0.90		
		1	30.00	0.30	0.10	0.90		
		1	30.00	0.30	0.10	0.90		
		1	30.00	0.30	0.10	0.90		
		1	30.00	0.30	0.10	0.90		
		1	30.00	0.30	0.10	0.90		
		1	6.50	0.30	0.10	0.20		
	Lottegollahalli L/S	1	30.00	0.30	0.10	0.90		
		1	30.00	0.30	0.10	0.90		
		1	30.00	0.30	0.10	0.90		
		1	30.00	0.30	0.10	0.90		
		1	30.00	0.30	0.10	0.90		
		1	30.00	0.30	0.10	0.90		
		1	30.00	0.30	0.10	0.90		
		1	6.50	0.30	0.10	0.20		
						12.99		
						12.96	5800.00	**75168.00**

Assistant Engineer

Assistant Executive Engineer

Total 14 Lakhs

Sl. No	Description	No.	L	B	D	Qty	Rate	Amount
4	Provid... reinforced cement concrete for side drains using M 20 nominal mix concrete with OPC at 300 kgs with 20 mm and down size granite metal course aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed well compacted for walls and bottom including cenmtering shuttering form work etc. complete as per approved drawing and design MORTH Specification No. 1500,1700,2200 Wall & Bottom thickness 15cm						Cum	
	Drain Bottom Concrete							
	Near Sanu Beauty Parler Cross	2	30.00	0.90	0.15	8.10		
		2	30.00	0.90	0.15	8.10		
		2	30.00	0.90	0.15	8.10		
		2	5.00	0.90	0.15	1.35		
		1	12.00	0.90	0.15	1.62		
	Opp Sanu Beauty Parler Road	2	30.00	0.90	0.15	8.10		
		2	11.00	0.90	0.15	2.97		
	Jayker Shetty House Road	1	30.00	0.90	0.15	4.05		
		1	30.00	0.90	0.15	4.05		
		1	30.00	0.90	0.15	4.05		
		1	7.50	0.90	0.15	1.01		
		1	14.30	0.90	0.15	1.93		
		1	30.00	0.90	0.15	4.05		
		1	8.00	0.90	0.15	1.08		
	Near Sanu Beauty Parler Cross	2x2	30.00	0.15	0.75	13.50		
		2x2	30.00	0.15	0.75	13.50		
		2x2	30.00	0.15	0.75	13.50		
		2x2	5.00	0.15	0.75	2.25		
		2x1	12.00	0.15	0.75	2.70		
	Opp Sanu Beauty Parler Road	2x2	30.00	0.15	0.75	13.50		
		2x2	11.00	0.15	0.75	4.95		
	Jayker Shetty House Road	2x1	30.00	0.15	0.75	6.75		
		2x1	30.00	0.15	0.75	6.75		
		2x1	30.00	0.15	0.75	6.75		
		2x1	7.50	0.15	0.75	1.69		
		2x1	14.30	0.15	0.75	3.22		
		2x1	30.00	0.15	0.75	6.75		
		2x1	8.00	0.15	0.75	1.80		
						156.17		
						155.52	7100.00	**1104192.00**
5	Providing **T.M.T steel reinforcement for R.C.C work** including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. - **TMT bars Fe 500**						Tonne	
	Qty as per Premeasurement Vide E- MB Page No. 03 is =					**9.33**	75200.00	**701616.00**
6	Providing **precast slab of 100mm thick** including cost of all materials, labour, curing, transportation, loading unloading, etc.,complete as per the direction of engineer in charge - Data rate						Sqm	
	Covering Slab							
	Near Sanu Beauty Parler Cross	2	30.00	0.90		54.00		
		2	30.00	0.90		54.00		
		2	30.00	0.90		54.00		
		2	5.00	0.90		9.00		
		1	12.00	0.90		10.80		
	Opp Sanu Beauty Parler Road	2	30.00	0.90		54.00		
		2	11.00	0.90		19.80		
	Jayker Shetty House Road	1	30.00	0.90		27.00		
		1	30.00	0.90		27.00		
		1	30.00	0.90		27.00		
		1	7.50	0.90		6.75		

Assistant Engineer

Assistant Executive Engineer

No	Description	No.	L	B	D	Qty	Rate	Amount
		1	14.30	0.90		12.87		
		1	30.00	0.90		27.00		
		1	8.00	0.90		7.20	47.07	
						390.42		
						388.80	2300.00	**894240.00**
7	Providing and fixing pre cast solid cement concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation ete.,complete						Sqm	
	Kerb Stones							
	Near Sanu Beauty Parler Cross	2	30.00		/0.45	133		
		2	30.00		/0.45	133		
		2	30.00		/0.45	133		
		2	5.00		/0.45	22		
		2	12.00		/0.45	53		
	Opp Sanu Beauty Parler Road	2	30.00		/0.45	133		
		2	30.00		/0.45	133		
		2	30.00		/0.45	133		
		2	20.00		/0.45	89		
						964 962		
						960	432.00	**414720.00**
8	Providing and applying ready mix priming coat **over concrete** / masonry / asbestos cement sheet / plastered surfaces including preparing the surface after thoroughly cleaning of oil, grease, dirt and other foreign matter, and sand papering including cost of materials, labour, complete as per specifications.						Sqm	
	Kerb Stones							
	Near Sanu Beauty Parler Cross	2	30.00		0.45	27.00		
		2	30.00		0.45	27.00		
		2	30.00		0.45	27.00		
		2	5.00		0.45	4.50		
		2	12.00		0.45	10.80		
	Opp Sanu Beauty Parler Road	2	30.00		0.45	27.00		
		2	30.00		0.45	27.00		
		2	30.00		0.45	27.00		
		2	20.00		0.45	18.00		
						195.30		
						194.40	40.00	**7776.00**
9	Providing and applying spray painting in two coats (excluding priming coat) over concrete / masonry / asbestos cement sheet / plastered surfaces with flat wall paint of approved brand to give even shade after cleaning the surface of all dirt, dust and other foreign matter, and sand papering including cost of materials, labour, complete as per specifications.						Sqm	
		Qty Vide Item No. 8				**194.40**	95.00	**18468.00**
10	Removing and refixing stone slabs of drains and pointing in CM (1:3)						Sqm	
	Qty as per Premeasurement Vide E- MB Page No. 04 is =					**715.50**	200.00	**143100.00**
11	Providing granite slabs of selected quality roughly dressed havinf a size of 7.5 cms thick and fixed in cement mortar (1:6) including fixing curing ete., complete						Sqm	
	Balaji Layout Cross Road	1	13.90		1.35	18.77		

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer, Sullia Sub Division, Mahanka

Sl. No	Description	No.	L	B	D	Qty	Rate	Amount
		1	10.20		1.35	13.77		
	Balaji Layout Cross Road	1	14.80		1.35	19.98		
		1	14.60		1.35	19.71		
						72.23		
						71.55	780.00	**55809.00**
12	Providing and constructing load bearing wall with solid concrete blocks of size 400x150x200 mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 4.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials, labour charegs, scaffolding, curing complete as per specifications.						Sqm	
	Balaji Layout Cross Road	2x2	30.00		0.40	48.00		
		2x2	30.00		0.40	48.00		
		2x2	30.00		0.40	48.00		
		2x2	25.20		0.40	40.32		
	Balaji Layout Cross Road	2x2	30.00		0.40	48.00		
		2x2	30.00		0.40	48.00		
		2x2	30.00		0.40	48.00		
		2x2	30.00		0.40	48.00		
		2x2	30.60		0.40	48.96		
						425.28		
						422.40	1181.00	**498854.00**
13	Providing **precast slab of 100mm thick** including cost of all materials, labour, curing, transportation, loading unloading, etc.,complete as per the direction of engineer in charge - (Data rate Approved).						Sqm	
	Balaji Layout Cross Road	2	30.00	0.90		54.00		
		2	30.00	0.90		54.00		
		2	30.00	0.90		54.00		
		2	25.20	0.90		45.36		
	Balaji Layout Cross Road	2	30.00	0.90		54.00		
		2	30.00	0.90		54.00		
		2	30.00	0.90		54.00		
		2	30.00	0.90		54.00		
		2	27.00	0.90		48.60		
						471.96		
						471.60	2500.00	**1179000.00**
	Sub Total							**5604863.00**
	GST @ 12%							**672584.00**
							Total	**6277447.00**

Assistant Engineer
Ward No. 08

Assistant Executive Engineer
Kodigehalli Sub Division